

From: [Miller, Garyg](#)
To: [Sanchez, Carlos](#); [Walters, Donn](#)
Subject: FW: SJRWP
Date: Tuesday, April 19, 2016 9:24:19 AM
Attachments: [SJ near real-time data plots 160419.pdf](#)

Update on San Jacinto

Gary Miller
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miller.garyg@epa.gov

From: David Keith [mailto:dkeith@anchorage.com]
Sent: Tuesday, April 19, 2016 8:20 AM
To: Miller, Garyg <Miller.Garyg@epa.gov>
Cc: Wendell Mears <wmears@anchorage.com>; Dave Moreira (dmoreira@wm.com) <dmoreira@wm.com>; Phil Slowiak <philip.slowiak@ipaper.com>; John Laplante <jlaplante@anchorage.com>; John Verduin <jverduin@anchorage.com>; Kirk Ziegler <kziegler@anchorage.com>; Holly Samaha <hsamaha@anchorage.com>; Daleel Nangju <dnangju@anchorage.com>
Subject: RE: SJRWP

Gary – We checked in with the buoy contractor. He thinks they can get back into their shop today if the electricity is on. He's checking his barges and boats this morning. If nothing is damaged, they will be able to start deploying the permanent buoys with a better anchoring system early next week after the waters and tides have receded. He has been watching the buoys and says one of the USCG buoys is floating up in the fleeting area. He will try to pull the temporary buoys back on station later today if he can do that safely.

In regards to the flows in the River, the 200-year event reported by local weatherman likely refers to the return period for the rainfall, not flow in the San Jac. During the October 1994 flood, the San Jac at Sheldon crested at 27.09 ft on 10/19/1994. The flow rate was 356,000 cfs which corresponds to 50- to 100-year return period (100-yr flood is 372,000 cfs).

During Hurricane Ike (September 2008), the San Jac at Sheldon crested at 14.39 ft and flow rate was 63,100 cfs (2- to 5-year flood). The predicted crest at Sheldon based on the link below is 14.7 feet, so, this event on the San Jac is probably a between 5 and 10 year flood.

<http://water.weather.gov/ahps2/hydrograph.php?wfo=HGX&gage=SHLT2>

The real-time automated plots from data at Lake Houston Dam shows flows still rising but currently at approximately 80,000 cfs, which is about a 5-yr flood. Total rainfall is about 2.4 inches.

As requested, our Houston staff are going by the site daily to check on things and we will do a visual



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inspection after the waters recede.

Thanks,
David

From: Miller, Garyg [<mailto:Miller.Garyg@epa.gov>]
Sent: Tuesday, April 19, 2016 6:28 AM
To: David Keith <dkeith@anchoragea.com>
Subject: FW: SJRWP

David,

We had some questions about anchors for temporary floats; please let me know what is being used now. Do you agree on the flood return period?

Thanks,

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From: Jacquelyn Young [<mailto:jeyoung@texanstogogether.org>]
Sent: Monday, April 18, 2016 5:16 PM
To: Miller, Garyg <Miller.Garyg@epa.gov>
Subject: SJRWP

Hi Gary,

What an eventful night and day down here in Houston! Attached are photos I received late morning from Greg Moss. Temporary buoys are reported to be floating away. Local weatherman are calling this a 200-year flood event... as usual with heavy rain events we are all very worried about the Pits and the integrity of the cap. Keep me posted on any developments related to this flooding event. Also, we are all patiently awaiting an update from the dive team. Can you please provide me with an update of their findings?

Thank you!
Jackie Young